

Title (en)
METHOD FOR CAPTURING EXOSOMES

Title (de)
VERFAHREN ZUM EINFANGEN VON EXOSOMEN

Title (fr)
PROCÉDÉ DE CAPTURE D'EXOSOMES

Publication
EP 3339863 A4 20180808 (EN)

Application
EP 16838894 A 20160620

Priority
• JP 2015163336 A 20150821
• JP 2016068271 W 20160620

Abstract (en)
[origin: EP3339863A1] A first sample solution including exosomes including first to third detection target substances is mixed with a first buffer solution including first nanoparticles including first binding substances which bind to the first detection target substances. The first detection target substances and the first binding substances are bound together, so as to form first complexes of the exosomes and the first nanoparticles. The first complexes are isolated from a mixed solution of the first sample solution and the first buffer solution, and second binding substances which bind to the second detection target substances are fixed onto a substrate. The second detection target substances and the second binding substances are bound together, so as to capture the first complexes on the substrate. A second buffer solution including second nanoparticles including third binding substances which bind to the third detection target substances is reacted with the first complexes. The third detection target substances and the third binding substances are bound together, so as to capture, on the substrate, second complexes in which the first and second nanoparticles bind to the exosomes.

IPC 8 full level
G01N 33/543 (2006.01); **B01L 3/00** (2006.01); **C12Q 1/04** (2006.01); **G01N 33/536** (2006.01)

CPC (source: EP US)
G01N 33/536 (2013.01 - EP US); **G01N 33/537** (2013.01 - US); **G01N 33/543** (2013.01 - US); **G01N 33/54306** (2013.01 - EP US); **G01N 33/54313** (2013.01 - EP US); **G01N 33/54346** (2013.01 - US); **G01N 33/54326** (2013.01 - US)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3339863 A1 20180627; EP 3339863 A4 20180808; EP 3339863 B1 20210519; JP 2017040595 A 20170223; JP 6606916 B2 20191120; US 10962531 B2 20210330; US 2018180604 A1 20180628; WO 2017033547 A1 20170302

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